

A NEW SPECIES OF *OREONETIDES* STRAND (ARANEAE, LINYPHIIDAE) FROM A CAVE OF AOMORI PREFECTURE, JAPAN

By

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Synopsis

SAITO, Hiroshi (3-772 Asahi-cho, Ashikaga City, Tochigi 326): A new species of *Oreonetides* STRAND (Araneae, Linyphiidae) from a cave of Aomori Prefecture, Japan. *Acta Arachnol.*, **28**: 9-12 (1978).

A new species of *Oreonetides*, *O. lingualis* from a cave of Aomori Pref., is described.

Oreonetides STRAND is a small genus, containing only 5 species, and 4 species of them are widely distributed in Europe. In Japan, one species of this genus, *O. vaginatus* was first recorded from Mt. Daisetsu in 1971. Since then no oreonetidid spider has been collected from the other regions in Japan.

Recently, I found amount of oreonetidid spider in the specimens collected by Mr. Y. TAKAHASHI from a wave-cut cave at the Natsudomari Peninsula in Aomori Prefecture.

As a result of study on this spider, I came to the conclusion that the spider is new to science, therefore the description is given in this paper.

Before going further, I wish to express my hearty thanks to Mr. S. MATSUMOTO, Kyorin University, for his valuable suggestion. Thanks are also due to Mr. Y. TAKAHASHI for his kindness in permitting me to use his precious collection.

Oreonetides lingualis n. sp.

[Japanese name: Shitagata-saya-saragumo]

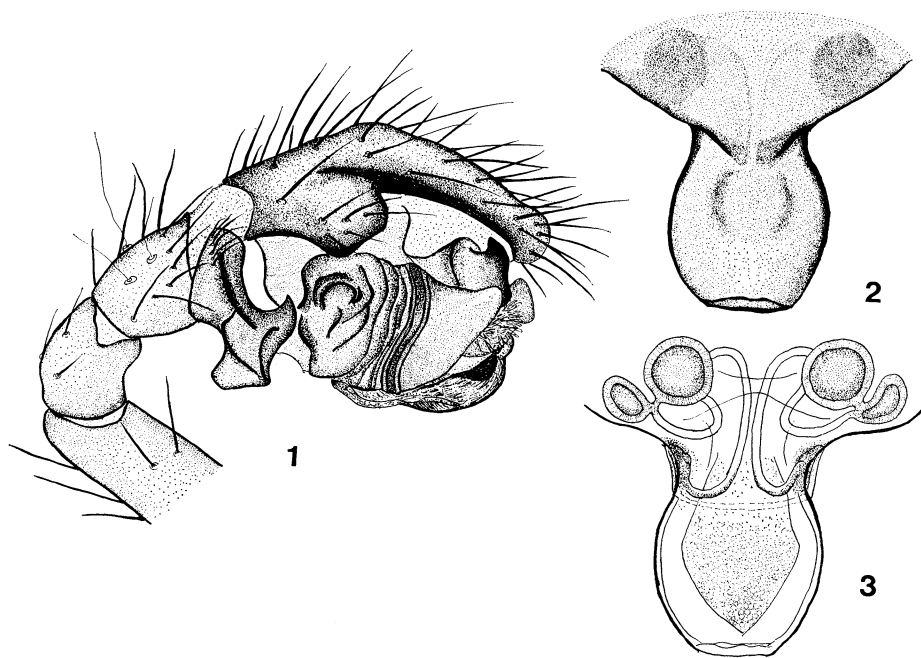
(Figs. 1-3)

Holotype (♀): Tateishi-do Cave, Natsudomari Peninsula, Aomori Pref., 11-

VIII-1975 (Y. TAKAHASHI).

Body length 2.25mm ; Cephalothorax 0.95mm long, 0.78mm wide ; Abdomen 1.55mm long, 1.13mm wide.

Carapace yellowish brown with slightly darker cervical grooves and radial furrows and has three long bristles arranged in a row in front of the median furrow. Carapace viewed from the side gradually ascending to the back of head. Clypeus longer than the ocular area and slanting forward. Anterior median eyes smaller than the remainders and separated from each other by about the diameter. Posterior and anterior lateral eyes subequal in size. The diameter of them twice as large as that of anterior median eye. Posterior median eyes arranged with the interspace which is nearly equal to the diameter of them. Chelicerae reddish brown with 6 rather large promarginal teeth and 5 small retromarginal teeth. Sternum light yellow-brown, convex, heart-shaped, a little longer than wide, and with a black margin. Legs yellow-



Figs. 1-3. *Oreonetides lingualis* n. sp.

1. Palp(♂).
2. Epigynum, dorsal view(♀).
3. Genitalia, dorsal view(♀).

wish brown. All tibiae with two dorsal spines. Tibia I with one prolateral spine and five trichobothria in tow rows. All metatarsi spineless. Metatarsus IV without trichobothrium, Tm I ca. 0.44

Measurements of legs and palp (in mm) are as follows:

Legs	Fem.	Pat. & Tib.	Met.	Tar.	Total
I	0.91	1.06	0.74	0.51	3.22
II	0.85	0.99	0.70	0.48	3.02
III	0.72	0.80	0.59	0.41	2.52
IV	1.03	1.06	0.74	0.46	3.29
Palp	0.38	0.35		0.40	1.13

Abdomen pale gray, with a black median line and 4 black chevrons dorsally. Palpal tibia with one dorsal and one prolateral spine, and also with three trichobothria in two rows. Epigyne with a large tongue-like chitin scape slightly truncated at the distal end; the scape fairly projecting posteriorly, with a low-pitched dent in the middle.

Paratype (♂). Tateishi-do Cave, Natsudomari Peninsula, Aomori Pref., 25-VIII-1977 (Y. TAKAHASHI).

Body length 1.54mm; Cephalothorax 0.83mm long, 0.73mm wide; Abdomen 1.01mm long, 0.75mm wide.

Shape and color similar to the holotype.

Male Palp. No tibial apophysis. Tibia with three trichobothria as well as in female. Paracymbium with a sharp-pointed projection at the distal end and 4 hairs its proximal part.

Measurement (in mm)

Legs	Fem.	Pat. & Tib.	Met.	Tar.	Total
I	0.83	0.91	0.61	0.45	2.80
II	0.76	0.84	0.59	0.41	2.60
III	0.63	0.66	0.50	0.35	2.14
IV	0.78	0.90	0.63	0.41	2.72

Type-series. Tateishi-do Cave, Natsudomari Peninsula, Aomori Pref., 14-IX-1974, 2♂, 23♀, 11-VIII-1975, 2♂, 18♀, 26-IX-1976, 28♀, 25-VIII-1977, 4♂, 7♀, 3♂y, 11-IX-1977, 42♀.

Collector. Y. TAKAHASHI.

The holotype and one of the paratypes are preserved in the collection of the Arachnological Society of East Asia, Ohtemon-Gakuin University. The other paratypes are in my private collection.

Remarks. This species is very similar to European ones, *O. firmus*, *O. ab-*

normis and *O. glacialis*, in the structure of male palp, but differs entirely from them in the female epigynum with a large tongue-like chitin scape truncated at the distal end and in the arrangement of the spermathecal ducts of female genitalia.

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摘 要

斎藤博 (栃木県足利市旭町 3-772): 青森県の洞窟産 *Oreoetnides* 属の一新種。

青森県の洞窟(海蝕洞)より *Oreonetides* 属(サラグモ科)の一新種を記載した。本種はヨーロッパに産する *O. firmus*, *O. abnormis*, *O. glacialis* によく類似している。しかし、特異な舌状の雌の外雌器によりヨーロッパの種から区別できる。